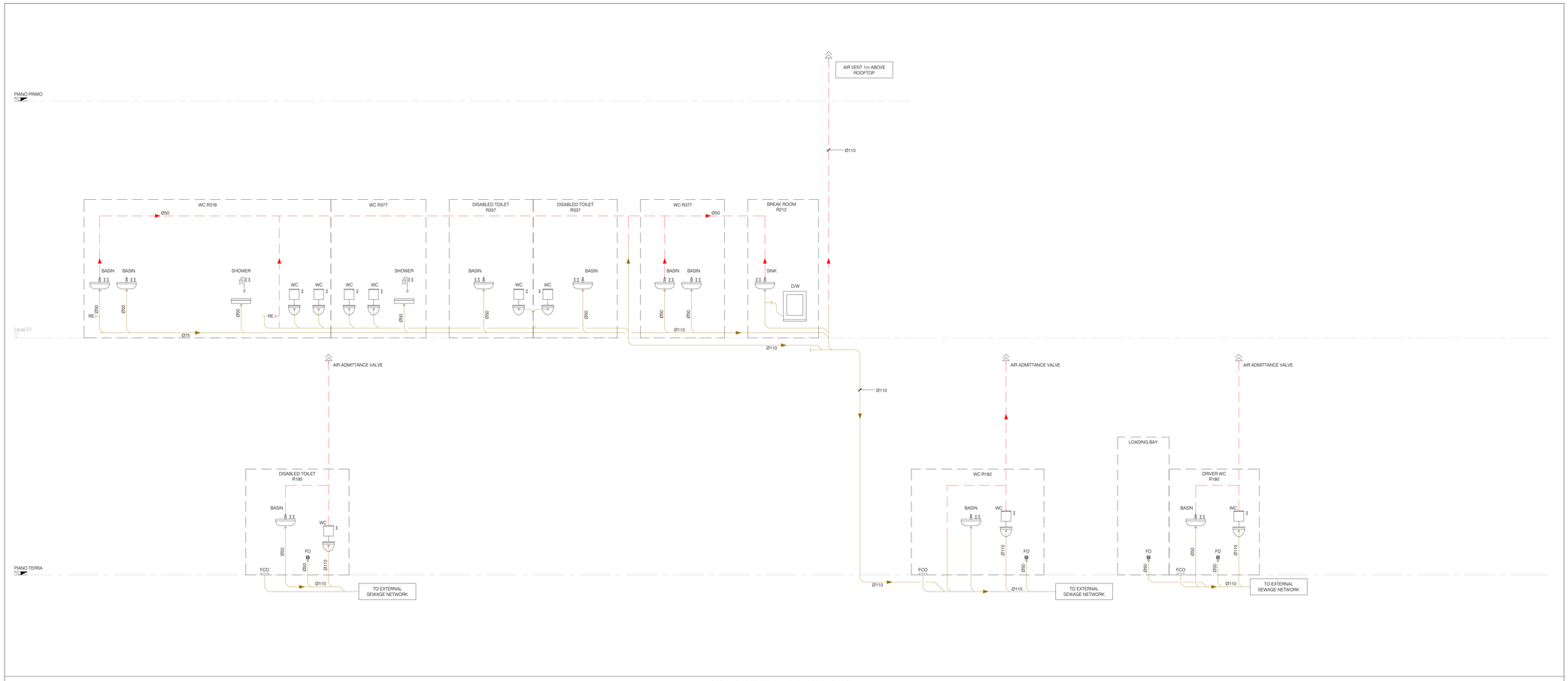
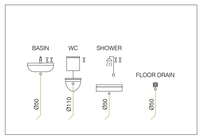
A0 - Do not scale



DRAINAGE VERTICAL SCHEME - OFFICE BUILDING



General Notes

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3. All pipe sizes, equipment dimensions are typical. The Contractor should show actual, approved client and equipment sizes.
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9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical, and Electrical drawings and all relevant sections of the specifications.

Legend

Vent Pipe

Soil Pipe

Abbreviations / Annotations

FCO	Floor Cleanout
FD	Floor Drain
Q	Peak Flow Rate
SP	Soil Pipe
VP	Vent Pipe
D/W	Dishwasher
WC	Water Closet

Rev	Details	By / Chkd / App	Date
P02	STAGE 3 - 100% ISSUE	BWE / MA / MA	17/01/2025
P02	STAGE 3 - 60% ISSUE	BWE / MA / MA	26/11/2024
P01	STAGE 2	BWE / MA / MA	11/10/2024

Client

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Project Title

Data Center Stack Campus Siziano (PV)

Drawing Title

Planimetrie e schemi drenaggi MIL08A

Designer

Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 2609

Project Status

VIA (Titolo III, d.lgs. 152/2006)

Discipline		Status Code

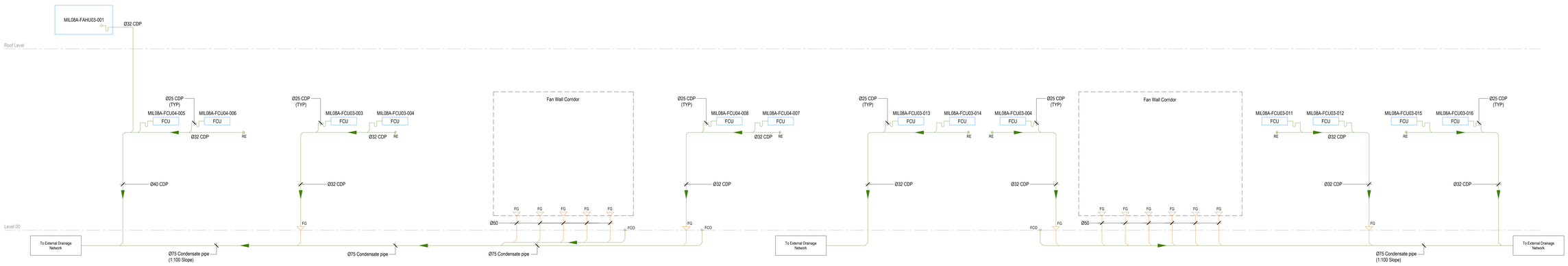
Project Number	Scale @ A0	Revision
ME- 0076	NTS	30/06/2026

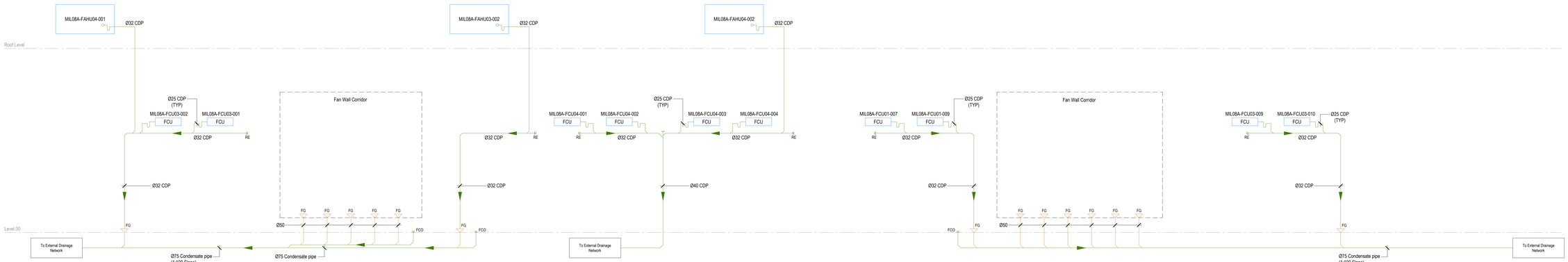
Drawing Number

4553-L22-ZZ-ZZZ-TRP-DRW-ME- 0076

Revision Date: 30/06/2026 Revision: A01 Drawn by: BWE Checked by: MA Approved by: MA Drawing Number: 4553-L22-ZZ-ZZZ-TRP-DRW-ME- 0076 Status: For Approval

A0 - Do not scale





General Notes

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Legend

Condensate Pipe

Waste Pipe

Abbreviations / Annotations

AHU	Air Handling Unit
CDP	Condensate Pipe
FCO	Floor Cleanout
FG	Floor Gulley
RE	Rodding Eye
VTR	Vent Thru Roof

Rev	Details	By / Chkd / App	Date
P01	STAGE 3 - 100% ISSUE	BWE / MA / MA	17/01/2025

Client

STACK INFRASTRUCTURE

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Studio Progetti Strutturali

Project Title

Data Center Stack Campus Siziano (PV)

Drawing Title

Planimetrie e schemi drenaggi MIL08A

Designer

Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 2609

Project Status

VIA (Titolo III, d.lgs. 152/2006)

Discipline	Status Code

Project Number	Scale @ A0	Revision
ME- 0076	NTS	30/06/2026

Drawing Number

4553-L22-ZZ-ZZZ-TRP-DRW-ME- 0076

Revision Area: A0_P1

Revision by: B&W

Date: 17-01-2025 11:01

File: 4553-L22-ZZ-ZZZ-TRP-DRW-ME-0076.dwg

A0 - Do not scale

General Notes

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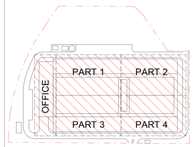
SCALE: 1:200

N

Key Plan



Legend: Drainage

- Condensate Water Pipe
- Soil Pipe
- Waste Pipe
- Vent Pipe

Abbreviation / Annotations:

SP	- Soil Pipe
VP	- Vent Pipe
CDP	- Condensate Drain Pipe
WC	- Water Closet
FG	- Floor Gully
FD	- Floor Drain
SD	- Soil Drain
TA	- Rise to Above
TB	- Drop to Below
FA	- Drop from Above
FB	- Riser from Below
at HL	- At High Level
RE	- Rodding Eye
VTR	- Vent thru roof
FCO	- Floor clean out

Rev	Description	By / Date	Chk / Date	App / Date
P01	STAGE 3 - 100% ISSUE	AM / AA / MA		17/01/2025

Drawing Development

This drawing has been developed from the following Design Information:

Architectural:
MIL08A-L22-DC-XX-M3-A-00001.rvt
Received: 08/01/25

MIL08A-L22-SW-XX-M3-A-10001.rvt
Received: 08/01/25

MIL08A-L22-SW-XX-M3-A-10002.rvt
Received: 08/01/25

Structural:
MIL08A-SPS-DC-XX-M3-S-00001.rvt
Received: 08/01/25

Civil:
MIL08A-L22-ZZ-XX-M3-E-00001.rvt
Received: 08/01/25

MIL08A-L22-ZZ-XX-M3-M-00001.rvt
Received: 08/01/25

Residual Risk Register

Item	No Residual Risk Identified.

In addition to the hazards / risks normally associated with the types of work detailed on this drawing note the following:

1. **CONSTRUCTION**
   Local Building Regulations shall be complied with in respect to inspection and commissioning
2. **MAINTENANCE / CLEANING**
   Health and **Safety** work place regulations shall be observed
3. **DECOMMISSIONING / DEMOLITION**
   WEEE and **ROHS** regulations shall be complied with.

N.B. It is assumed that all work will be carried out by a competent contractor working, where appropriate, to an approved method statement.

Client

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Lead Consultant / MEP Designer

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Project Title
Data Center Stack Campus Siziano (PV)

Drawing Title
Planimetrie e schemi drenaggi MIL08A

Designer
Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 2609

Project Status
VIA (Titolo III, d.lgs. 152/2006)

Discipline	Status Code

Project Number	Scale @ A0	Revision
ME-0076	1:200	30/06/2026

Drawing Number
4553-L22-ZZ-ZZZ-TRP-DRW-ME- 0076

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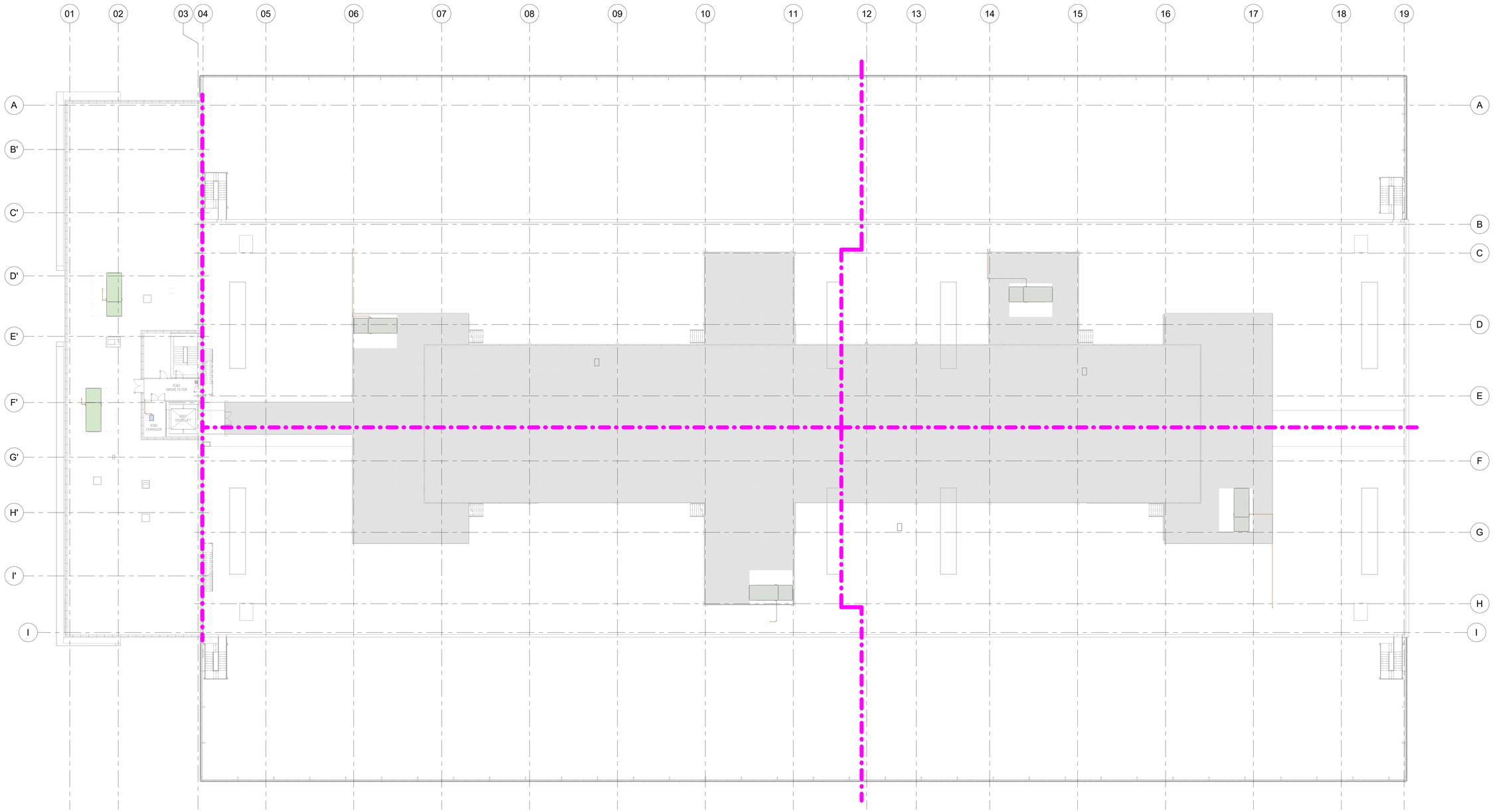
A0 - Do not scale



General Notes

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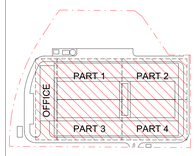
SCALE: 1:200

Key Plan



Legend: Drainage

- Condensate Water Pipe
- Soil Pipe
- Waste Pipe
- Vent Pipe

Abbreviation / Annotations:

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MIL08A-L22-SW-XX-M3-A-10002.rvt
Received: 08/01/25

Structural:
MIL08A-SPS-DC-XX-M3-S-00001.rvt
Received: 08/01/25

Civil:
MIL08A-L22-ZZ-XX-M3-E-00001.rvt
Received: 08/01/25

MIL08A-L22-ZZ-XX-M3-M-00001.rvt
Received: 08/01/25

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Rev	Status	By / Chkd / App	Date
P01	STAGE 3 - 100% ISSUE	AM / AA / MA	17/01/2025

Client

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Project Title

Data Center Stack Campus Siziano (PV)

Drawing Title

Planimetrie e schemi drenaggi MIL08A

Designer

Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 2609

Project Status

VIA (Titolo III, d.lgs. 152/2006)

Discipline

Status Code

Project Number: ME-0076

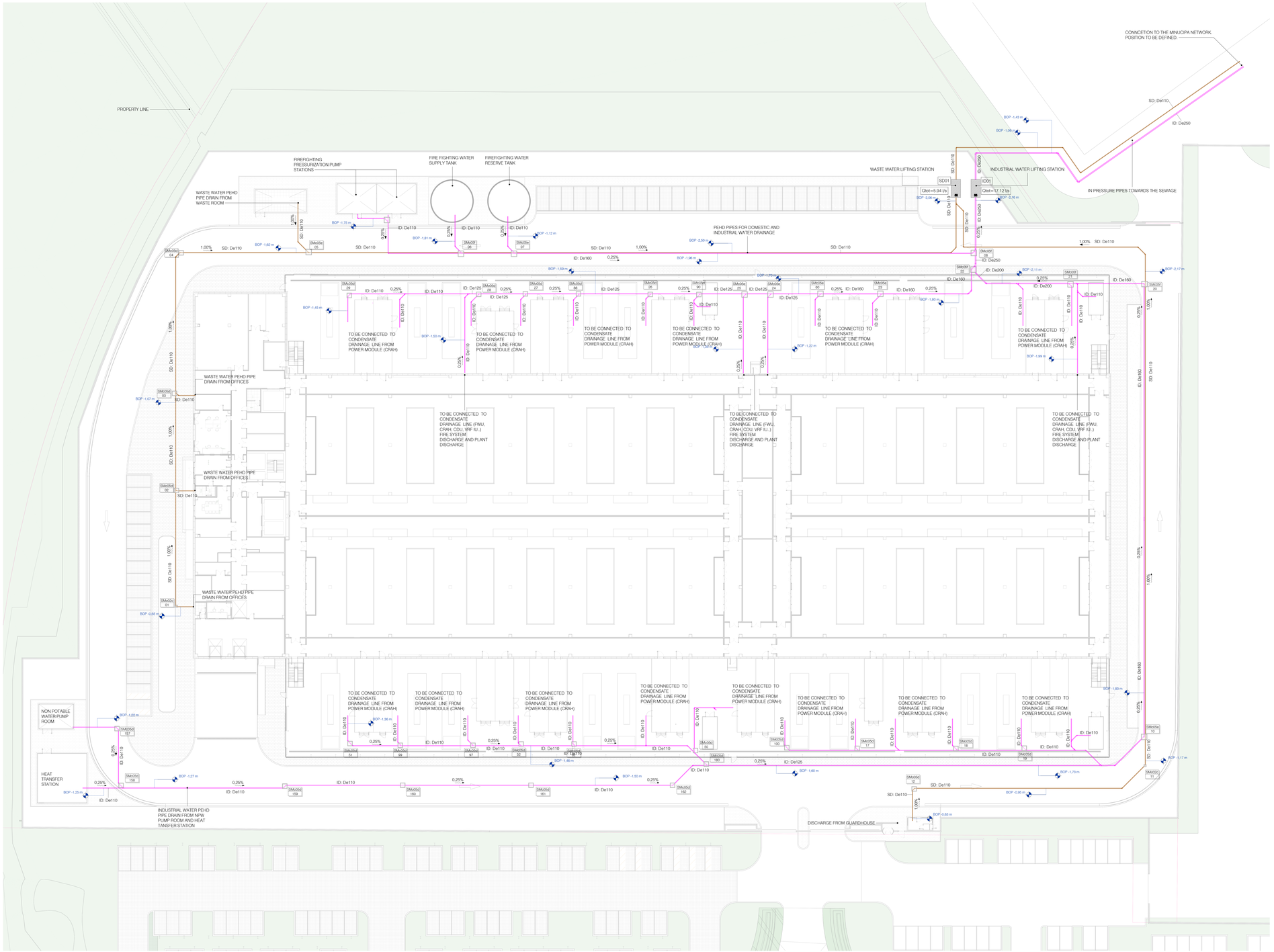
Scale @ A0: 1:200

Revision: 30/06/2026

Drawing Number: 4553-L22-ZZ-ZZZ-TRP-DRW-ME-0076

01:16 Wed, 15 Jan
Revised by A.Arora & W.Hill @
Rev P01.01 2025-01-15
P:\1-WORK\1-PROJECTS\1-ACTIVE\MIL08A\MIL08A_ET_RVT\MIL08A-Revit.rvt

A0 - Do not scale



Industrial and Domestic Waste Water Drainage System
1 : 250

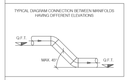
DR - Pipe Systems Legend

SD	Soil Water
ID	Industrial Water
BOP	Bottom of Pipe's Quote

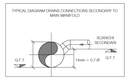
NOTES PLUMBING AND DRAINAGE SYSTEME:

- Supply piping for the water and sanitary utilities within the toilets will be made of multilayer from manifolds;
- In case of supply not derived from manifold, place recessed shut-off taps with cap for each water utility;
- Provide vents at high points and drains (connected to prepared manholes or conduits) at low points, in locations agreed with the DL;
- All drain risers should be equipped with inspectable siphon at the foot, extended above the roof and adequately ventilated;
- Condensate water collection networks must be separate and distinct from those into which they flow by the interposition of permanently wet or dry inspectable odor trap.
- Rainwater collection networks must be separate and distinct from those into which they flow by the interposition of a siphon inspectable odor trap.
- Stormwater collection networks shall be separate and distinct from blackwater to the collection sumps located upstream of the inspection Siphon/Brace unit heading to the public sewer
- All discharges collected below the level of discharge to the public sewer shall be conveyed to collection and lifting tanks equipped with electric pumps.
- Testing operations should be carried out while keeping the drainage network continuously visible.
- Provide inspection points in manifolds upstream of each confluence, bend or special piece.
- All pipes not buried, unless otherwise indicated, shall have the following minimum slopes:
  - service drains to sewer risers 1=2%;
  - blackwater / grease collectors 1= 1%;
  - stormwater / condensate manifolds 1=0,5%.

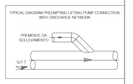
TYPICAL DIAGRAM CONNECTION BETWEEN MANHOLES HAVING DIFFERENT ELEVATIONS



TYPICAL DIAGRAM DRAINS CONNECTIONS SECONDARY TO MAIN MINIMUM (L)



TYPICAL DIAGRAM PREIMPETING LIFTING PUMP CONNECTION WITH DISCHARGE NETWORK



GENERAL NOTES:

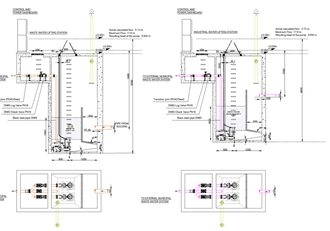
- Drawing relevant only for mechanical installations under contract.
- Dimensions and locations of materials and equipment are to be verified on site by the contractor, who shall promptly report any interference with existing.
- Any undetected equipment shall be maintained, if necessary, it shall be modified and restored by the contractor.
- Exact locations of equipment, materials, piping, ducts, connection to existing facilities shall be determined by the contractor and submitted to the construction manager.
- The contractor shall be responsible for the proper installation of equipment and materials.
- All equipment must be easily maintainable and accessible via hatchons or similar solutions even where not specifically specified.
- It will be the contractor's responsibility to size and assevarate all supports, in a workmanlike manner and in compliance with all regulatory requirements for earthquake-proofing.
- Construction detail drawings necessary for the proper execution of the work shall be arranged by the contractor.
- The installation of elements in the field must comply with all manufacturers' prescriptions and recommendations, good engineering rules on acoustics and fire prevention.
- Any deviations from the specifications, evaluated on the basis of the available documentation, should be re-evaluated and deepened during the works, after plant verification following appropriate surveys of the existing situation.
- The contractor must carefully check the design and report any inaccuracies, incompleteness or discrepancies with any standard or law.
- Connections between two or more sections of duct both within indoor units and units themselves shall be made only with Invitation fittings and not with hammered derivations or detachments. The Contractor shall be responsible for making construction drawings showing the type of derivations and connections between ducts and ducts with the indoor units provided.

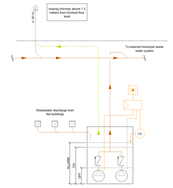
5100_Plumbing Fixture Legend

Keynote_Mirror	Type_LXWXH
SMc02c	L22_PLM_SM_Square Manhole with closed bottom 500X500H1000
SMc05d	L22_PLM_SM_Square Manhole with closed bottom 1000X1000H1500
SMc05e	L22_PLM_SM_Square Manhole with closed bottom 1200X1200H2000
SMc05f	L22_PLM_SM_Square Manhole with closed Bottom 1200X1200H2500

Manhole - Tag

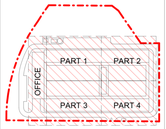
Object code (Keynote_Mirror) — PXXX
Height — XXX YYY — Progressive Number
Object code (Keynote_Mirror) — DXXX
Progressive Number — DXXX





The Level Key Plan shows the levels used for the design. The system dimensions refer to the Level 00 -FFL. All pipe base heights refer to absolute height as distance from level

Key Plan



General Notes

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4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the Contractor.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make final coordinated installation shop drawings.
7. Do not scale dimensions from drawings. Use dimension package.
8. Contractor to coordinate final distribution routes with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical and Electrical drawings and all relevant sections of the specifications.

1000 0 1000 2000 3000 4000
SCALE: 1:100

Rev	Details	By / Chkd / App	Date
P02	STAGE 3 - 100% ISSUE	LORO/LEMC	17/01/2025
P02	STAGE 3 - 40% ISSUE	LORO/LEMC	26/11/2024
P01	STAGE 2 - ISSUED FOR APPROVAL	LORO/LEMC	11/10/2024

Client
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Project Title
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Drawing Title
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Designer
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Project Status
VIA (Titolo III, d.lgs. 152/2006)

Discipline
Status Code

Project Number: ME-0076
Scale @ A0: 1:250
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